Branch Panel: EGHA

Location: ELECT 104
Supply From: GHA
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 250 A
MCB Rating: 0 A

Notes:

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	LTG - ELEC, IT, SEC, STOR	20 A	1	502	3936								2
3	LTG - TIER 1	20 A	1			3174	2327			3	30 A	LTG. INV. L-INV-A, 15 kVA, 16KW	4
5	LTG - TIER 1	20 A	1					3258	3513				6
7	LTG - TIER 2	20 A	1	1932	5332								8
9	LTG - VA BOX SIGNAGE	20 A	1			2770	5332			3	30 A	LTG. INVERTER (FUTURE)	10
11	SPARE	20 A	1					0	5332				12
13	SPARE	20 A	1	0	0					1	20 A	SPARE	14
15	SPARE	20 A	1			0	0			1	20 A	SPARE	16
17	SPARE	20 A	1					0	0	1	20 A	SPARE	18
19	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	20
21	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	22
23	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	24
25	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	26
27	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	28
29	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	30
31	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	32
33	SPACE ONLY	--	--			0	0			--	--	SPACE ONLY	34
35	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	36
37	SPACE ONLY	--	--	0	14667								38
39	SPACE ONLY	--	--			0	14667			3	100 A	ELEVATOR #1 CONTROLLER	40
41	SPACE ONLY	--	--					0	14667				42
		Total Load:		26368 VA		28270 VA		26770 VA					
		Total Amps:		95 A		102 A		97 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	44000 VA	100.00%	44000 VA		
Lighting	37450 VA	125.00%	46813 VA	**Total Conn. Load:**	81450 VA
				Total Est. Demand:	90813 VA
				Total Conn.:	98 A
				Total Est. Demand:	109 A

Notes:

Switchboard: GHA

Location: ELECT 104
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65kAIC
Mains Type: MCB
Mains Rating: 400 A
MCB Rating: 400 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	PANEL "EGHA"	3	200 A	200 A	81400 VA	
2	XFMR "GTLA"	3	150 A	125 A	31989 VA	XFMR FOR PANEL "GLA"
3	(FUTURE XFMR / PANELBOARD)	3	200 A	125 A	24000 VA	FUTURE ELEC. VEH. CHRG. STATIONS
4	ELEVATOR #2 CONTROLLER	3	100 A	100 A	44000 VA	
5	(FUTURE VERTICAL EXPANSION)	3	100 A	100 A	65445 VA	
6	SPACE WITH PROVISIONS	--	--	--	0 VA	--
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
				Total Conn. Load:	247278 VA	
				Total Amps:	297 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Elevator	88000 VA	95.00%	83600 VA		
HVAC	17243 VA	100.00%	17243 VA	**Total Conn. Load:**	247278 VA
Lighting	37450 VA	125.00%	46813 VA	**Total Est. Demand:**	250171 VA
Receptacle	14140 VA	85.36%	12070 VA	**Total Conn.:**	297 A
(FUTURE)	89445 VA	100.00%	89445 VA	**Total Est. Demand:**	301 A
Elevator Misc	1000 VA	100.00%	1000 VA		

Notes:

Panel EGIA

Location: ELECT 104
Supply From: L-INV-A
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 100 A
MCB Rating: 25 A

Notes:

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	LTG - ELEC, IT, SEC, STOR	20 A	1	864	852					1	20 A	LTG - STAIRWELLS	2
3	LTG - TIER 1	20 A	1			1908	275			1	20 A	LTG - LOBBIES	4
5	LTG - TIER 1	20 A	1					1815	1698	1	20 A	LTG - TIER 2	6
7	LTG - POLES (TIER 3)	20 A	1	2250	0					--	--	SPACE ONLY	8
9	LTG - ELEV MACHINE RM	20 A	1			144	0			--	--	SPACE ONLY	10
		Total Load:		3966 VA		2327 VA		3513 VA					
		Total Amps:		15.0 A		8.4 A		13.3 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	9819 VA	125.00%	12273 VA		
				Total Conn. Load:	9819 VA
				Total Est. Demand:	12273 VA
				Total Conn.:	12 A
				Total Est. Demand:	15 A

Branch Panel: GLA

Location: ELECT 104
Supply From: XFMR - GTLA
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

CKT	Circuit Description	Trip	Poles	A (VA)		B (VA)		C (VA)		Poles	Trip	Circuit Description	CKT
1	RCPT - STAIRWELLS	20 A	1	1080	360					1	20 A	RCPT - ELEV. MACHINE RM	2
3	RCPT - ELEC, IT, SECURITY	20 A	1			540	600			1	20 A	RCPT/LTG - ELEVATOR PIT	4
5	RCPT - IT, SEC EQPM BOARDS	20 A	1					720	500	1	20 A	ELEVATOR #1 CAB LTG	6
7	RCPT - STORAGE	20 A	1	720	500					1	20 A	ELEVATOR #2 CAB LTG	8
9	RCPT - EXTERIOR EQPM	20 A	1			360	0			1	20 A	SPARE	10
11	SPARE	20 A	1					0	0	1	20 A	SPARE	12
13	SPARE	20 A	1	0	0					1	20 A	SPARE	14
15	SPACE ONLY	--	--			0	0			1	20 A	SPARE	16
17	SPACE ONLY	--	--					0	0	1	20 A	SPARE	18
19	SPACE ONLY	--	--	0	0					--	--	SPACE ONLY	20
21	DCU-1 / DFCU-1	30 A	2			1976	0			--	--	SPACE ONLY	22
23								1976	0	--	--	SPACE ONLY	24
25	DCU-2 / DFCU-2	30 A	2	1976	360					1	20 A	FIRE ALARM CONTROL PANEL - FACP	26
27						1976	360			1	20 A	EMERGENCY CALLBOX SYSTEM PANEL - ECP	28
29	DCU-3 / DFCU-3	30 A	2					1976	360	1	20 A	CCTV / SECURITY PANEL - CCTV / SCP	30
31				1976	360					1	20 A	AREA OF RESCUE CONTROL PANEL - ARP	32
33	DCU-4 / DFCU-4	30 A	2			1976	718			2	20 A	SUMP PUMP SP-1	34
35								1976	718				36
37	TELECOM RACK #1	20 A	2	2080	2080					2	20 A	TELECOM RACK #2	38
39						2080	2080						40
41	SPACE ONLY	--	--					0	0	--	--	SPACE ONLY	42
		Total Load:		11492 VA		12666 VA		8226 VA					
		Total Amps:		100 A		110 A		69 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	17243 VA	100.00%	17243 VA		
Receptacle	14140 VA	85.36%	12070 VA	**Total Conn. Load:**	32383 VA
Elevator Misc	1000 VA	100.00%	1000 VA	**Total Est. Demand:**	30313 VA
				Total Conn.:	90 A
				Total Est. Demand:	84 A

Notes:

Revisions:	Date
1 ADD. NO. 01	2 SEP 2017

U.S. Department of Veterans Affairs
VISN 7 NETWORK CONTRACTING OFFICE
LAVISTA BUSINESS PARK-BLDG A 2008 WEEMS RD
TUCKER, GA 30084

GEORGIA REGISTERED PROFESSIONAL ENGINEER KUNG C. VEN PE 030753 7/5/17

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Architect, Structural Engineer, Civil Engineer
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COMPLETE DESIGN - ISSUED FOR CONSTRUCTION

Drawing Title: PANEL SCHEDULES	Project Title: PARKING DECK, TRINKA DAVIS VETERANS VILLAGE	Project Number: 16.1043 / Building Number:	OFFICE OF FACILITIES MANAGEMENT
Approved for Design Concept: **FACILITY MANAGEMENT DIVISION MANAGER**	Location: CARROLLTON, GA / Date: 07/05/2017 / Checked By: CAR / Drawn By: BC	Drawing Number: ES701	VA Project Number: **508-342** / U.S. Department of Veterans Affairs

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